

Amendments to the Claims:

This Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-2. (Cancelled).

3. (Currently Amended) A method of ~~monitoring for~~ evaluating the availability of a system function in a computer system, ~~the method~~ comprising the steps of:

mapping of ~~a computer system component~~ components of the computer system in a database of the computer system;

defining in the database for at least one system function which and how many components of the computer system are necessary at least to maintain the system function;

recording for ~~the computer system~~ a mapped component whether ~~the said~~ component is necessary for ~~at least one~~ the one or more system function, and, if so, for which system function the computer system ~~function~~ functions that are ~~is monitored~~ watched for availability;

maintaining for a mapped ~~computer system~~ component, its respective state; ~~a state of such component;~~ and

using, when a change in the state of the mapped component of said ~~the~~ computer system ~~component~~ has taken place or is intended, the recorded data to assess whether the availability of ~~the computer~~ a system function ~~monitored for availability changes~~ or would change as a result of the change of the state of the component supported by said component has changed or would change.

4.-5. (Cancelled).

6. (Currently Amended) A computer system ~~to monitor availability of a component in the computer system, the computer system~~ comprising:

a mapping means mapping components of a the computer system ~~to in~~ a database of the computer system;

a recording means for recording ~~for~~ a mapped component whether the said component is necessary for a one or more computer system functions ~~function, which functions that are monitored watched~~ for availability ~~in the computer system~~;

a maintenance means maintaining for a mapped component, its respective state ~~the state of such component, and~~

a recording means for recording a system function which component and how many components are necessary at least to maintain the system function; and

a total failure detection means using, when a change in a the state of a the computer system component of said computer system has taken place or is intended, the said recorded data to assess whether the availability of the ~~computer system function supported by said component has changed or would change~~ ~~monitored for availability has changed or would change as a result of the change of the state of the component.~~

7.-10. (Cancelled).

11. (Previously Presented) The method as claimed in claim 3, further comprising the step of:

recording for each mapped component the instant at which said component is necessary.

12. (Previously Presented) A computer system as claimed in claim 6, further comprising said recording means recording for each mapped component the instant at which said component is necessary.